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Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 3 March 1999 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United States of America to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* has the honour to transmit the registration data for the United States space launches for the period July 1998-November 1998 (see annex).

* See General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

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Annex*

Registration data for United States space launches

The following report supplements the registration data for the United States launches as of 31 July 1998. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
NONE						
The following objects not previously reported have been identified since the last report:						
1967-092L	25 September 1967	106.3	89.3	1 105	1 026	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 31 July 1998:						
NONE						
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 31 July 1998:						
NONE						
The following objects identified on a previous report are no longer in orbit as of 2400Z on 31 July 1998:						
1965-082AB, 1971-067J, 1989-089AD, 1989-089CG, 1994-029BE, 1994-02GA, 1994-029HU, 1994-029JV, 1994-029PB, 1994-029RF, 1994-029YG						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
The general function of space object 1996-065A (document ST/SG/SER.E/322) should read: "Reusable space transportation systems". For object 1996-065C it should read: "Spacecraft engaged in investigation of spaceflight techniques and technology".						

*The registration data are reproduced in the form in which they were received.

Registration data for United States space launches

The following report supplements the registration data for the United States launches as of 31 August 1998. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit						
1998-046A	02 August 1998	101.3	45.0	824	819.5	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-046B	02 August 1998	101.4	45.0	826	819.5	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-046C	02 August 1998	101.4	45.0	826	819.5	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-046D	02 August 1998	101.4	45.0	826	819.5	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-046E	02 August 1998	101.4	45.0	826	819.5	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-046F	02 August 1998	101.4	45.0	826	819.5	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-046G	02 August 1998	101.4	45.0	826	819.5	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
1998-046H	02 August 1998	101.4	45.0	826	819.5	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-046J	02 August 1998	94.1	44.9	693	262	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1998-046K	02 August 1998	96.7	42.6	825	389	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1998-046L	02 August 1998	101.4	45.0	830	819	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:						
1994-029ADR	19 May 1994	101.4	81.6	1 132	516	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ADS	19 May 1994	98.6	82.1	835	562	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ADT	19 May 1994	96.9	82.1	671	577	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ADU	19 May 1994	97.6	82.1	722	578	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ADV	19 May 1994	97.3	81.8	727	576	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ADW	19 May 1994	96.4	81.9	620	556	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ADX	19 May 1994	102.9	81.8	1 220	611	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
1994-029ADY	19 May 1994	100.5	81.8	1 015	546	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ADZ	19 May 1994	103.8	82.6	975	947	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029AEA	19 May 1994	103.8	82.6	975	947	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029AEB	19 May 1994	97.2	82.1	739	548	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029AEC	19 May 1994	100.5	82.0	1 002	558	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029AED	19 May 1994	123.2	82.3	3 049	620	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029AEE	19 May 1994	121.4	82.2	2 904	625	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 31 August 1998:						
NONE						
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 31 August 1998:						
NONE						
The following objects identified on a previous report are no longer in orbit as of 2400Z on 31 August 1998:						
1978-064G, 1978-064H, 1978-068G, 1978-068H, 1978-096G, 1989-089BQ, 1992-019C, 1994-010F, 1994-017M, 1994-029FB, 1994-029JM, 1994-029KC, 1994-029UN, 1994-029ACV						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

Registration data for United States space launches

The following report supplements the registration data for the United States launches as of 30 September 1998. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
1998-051A	08 September 1998	100.467	86.40	780	780	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-051B	08 September 1998	100.467	86.40	780	780	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-051C	08 September 1998	100.467	86.40	780	780	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-051D	8 September 1998	100.467	86.40	780	780	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-051E	08 September 1998	100.467	86.40	780	780	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-051F	08 September 1998	93.011	83.537	522.826	321.1	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1998-052A	15 September 1998	1 436	.04	35 796	35 777	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-053A	23 September 1998	101.2	45.01	826.0	811.0	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-053B	23 September 1998	101.2	45.01	826.0	811.0	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-053C	23 September 1998	101.2	45.01	826.0	811.0	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
1998-053D	23 September 1998	101.2	45.01	826.0	811.0	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-053E	23 September 1998	101.2	45.01	826.0	811.0	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-053F	23 September 1998	101.2	45.01	826.0	811.0	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-053G	23 September 1998	101.2	45.01	826.0	811.0	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-053H	23 September 1998	101.2	45.01	826.0	811.0	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-053J	23 September 1998	91.1	45.0	413.0	251.0	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1998-053K	23 September 1998	100.2	44.5	826.0	729.0	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:						
1966-034C	22 April 1966	115.8	82.3	2 652	353	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1977-018B	10 March 1977	319.4	24.4	17 907	295	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1974-033F	17 May 1974	1 239.4	12.6	32 863	30 825	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 30 September 1998:						
NONE						

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 30 September 1998:						
NONE						
The following objects identified on a previous report are no longer in orbit as of 2400Z on 30 September 1998:						
1961-015AS, 1971-067M, 1977-065AF, 1978-039C, 1981-059H, 1989-089AL, 1989-089BL, 1994-029Q, 1994-029DG, 1994-029FY, 1994-029HW, 1994-029ME, 1994-029WK, 1994-029XM, 1994-029YP, 1994-029ADM, 1994-029ADQ, 1997-065B						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
The general function of space object 1997-045A (document ST/SG/SER.E/339) should read: Spacecraft engaged in practical applications and uses of space technology such as weather or communications						

Registration data for United States space launches

The following report supplements the registration data for the United States launches as of 31 October 1998. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
1998-055A	02 October 1998	98.8	85.0	713	695	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-055B	02 October 1998	98.4	85.1	711	684	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1998-057B	09 October 1998	610.7	25.0	34 766	167	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1998-058A	20 October 1998	1 436.2	6.0	36 768	34 811	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-058B	20 October 1998	448.2	26.9	25 733	313	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1998-060B	23 October 1998	99.9	25.0	777	742	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1998-060C	23 October 1998	100	25.0	776	747	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1998-061A	24 October 1998	101.2	28.5	189	189	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
1998-061B	24 October 1998	101.2	31.5	1 082	551	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-061C	24 October 1998	101.2	31.5	1 082	545	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1998-061D	24 October 1998	100.8	31.5	189	189	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1998-063A	27 October 1998	1 430.4	.1	35 743	35 605	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-063B	27 October 1998	1 431.4	.01	35 864	35 526	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-064A	29 October 1998	95.8	28.5	560	550	Reusable space transportation system
1998-064B	29 October 1998	95.9	28.4	574	552	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-064C	29 October 1998	95.8	28.5	560	550	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
The following objects not previously reported have been identified since the last report:						
1990-002D	09 January 1990	98.1	26.6	1 025	307	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 31 October 1998:						
NONE						

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 31 October 1998:						
NONE						
The following objects identified on a previous report are no longer in orbit as of 2400Z on 31 October 1998:						
1969-082HD, 1977-065FW, 1981-059G, 1989-089E, 1989-089BL, 1990-037C, 1990-105B, 1994-029BH, 1994-029CB, 1994-029DF, 1994-029EM, 1994-029JM, 1994-029LF, 1994-029LZ, 1994-029QG, 1994-029QZ, 1994-029WH, 1994-029AAZ						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

Registration data for United States space launches

The following report supplements the registration data for the United States launches as of 30 November 1998. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
1998-066A	06 November 1998	100.467	86.40	780	780	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-066B	06 November 1998	100.467	86.40	780	780	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-066C	06 November 1998	100.467	86.40	780	780	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-066D	06 November 1998	100.467	86.40	780	780	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-066E	06 November 1998	100.467	86.40	780	780	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-066F	06 November 1998	92.33	82.58	454.1	323.4	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1998-068B	22 November 1998	103.3	19.7	1 546	283.3	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1998-068C	22 November 1998	670.8	19.6	36 725	1 286	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:						
1966-040D	15 May 1966	107.6	100.5	1 152	1 085	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 30 November 1998:						
NONE						
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 30 November 1998:						
NONE						
The following objects identified on a previous report are no longer in orbit as of 2400Z on 30 November 1998:						
1989-089CF, 1990-028A, 1998-064B, 1998-064A						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						